

**What is claim is**

1. A portable image viewing apparatus portable by user's hand to view at least one image, the portable image viewing apparatus comprising:

a casing defining a receiving space therein and having a plurality of  
5 buttons provided thereon, at least one viewing window being provided on the casing;

at least one micro display arranged in the receiving space and aligned with the viewing window; and

at least one circuit board arranged in the receiving space and electrically  
10 connected to the plurality of buttons and the micro display for driving the micro display to display in image.

2. The portable image viewing apparatus as in claim 1, wherein the plurality of buttons are arranged on such location of the casing that user can easily operate them.

15 3. The portable image viewing apparatus as in claim 1, further comprising a transparent glass inside the viewing window.

4. The portable image viewing apparatus as in claim 3, wherein the transparent glass is a lens.

5. The portable image viewing apparatus as in claim 1, further comprising  
20 an adjusting part placed outside the viewing window to adjust a focal length of the viewing window for observing the micro display.

6. The portable image viewing apparatus as in claim 1, wherein the micro display is an LCD.

7. The portable image viewing apparatus as in claim 1, wherein the micro

display is an LCOS.

8. The portable image viewing apparatus as in claim 1, further comprising a memory unit to store image data.

9. The portable image viewing apparatus as in claim 1, further comprising  
5 a card reader electrically connected to the circuit board, the portable image viewing apparatus accessing a memory card through the card reader.

10. The portable image viewing apparatus as in claim 1, further comprising a computer connecting port on the casing, the computer connecting port being connected to a computer through a connection wire.

10 11. The portable image viewing apparatus as in claim 10, wherein the computer connecting port is a USB port.

12. The portable image viewing apparatus as in claim 10, wherein the computer connecting port is an IEEE 1394 port.

13. The portable image viewing apparatus as in claim 1, further  
15 comprising a wireless data unit for communicating with a computer with another wireless data unit.

14. The portable image viewing apparatus as in claim 13, wherein the wireless data unit is a bluetooth unit.

15. The portable image viewing apparatus as in claim 1, further  
20 comprising a microprocessor for driving the micro display to display in image.

16. The portable image viewing apparatus as in claim 1, further comprising a DC power supply.

17. The portable image viewing apparatus as in claim 1, further comprising a microscope for viewing the micro display.